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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Classified Trash Disposal in the New Building

FROM:	EXTENSION	NO.
STAT DC/LSD/OL 3E14 HQS		DATE 27 September 1983

TO: (Officer designation, room number, and building)	DATE RECEIVED	DATE FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. C/NBPO/OL 4E50 HQS				Larry, Attached is a memo from C/BSB/LSD/OL that speaks to the classified waste disposal in the new building
2.				
STAT 3.				
4. Bob				So?
5.				
STAT 6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

FORM 1-79 **610** USE PREVIOUS EDITIONS

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16 September 1983

MEMORANDUM FOR: Chief, LSD, OL

STAT FROM: [redacted]
Chief, BSB, LSD

SUBJECT: Classified Trash Disposal in the New Building

REFERENCE: Memo OL 2094-83 dated 13 September 1983

1. It is recommended that the South Loading Dock area be renovated first, which would not interfere with current Disposal operations. Permanent space should be allocated in the South Dock area to house two (2) extractor machines. In conjunction with renovating the South Dock area, suggest Somat machine located in upper area of BF-40 be relocated to south side of New Building and have it feeding to extractor room at South Dock. Relocate two (2) extractor machines (one at a time) from current location to South Dock area to handle machines located in Room BC-45 and machine relocated to the New Building. This to be accomplished prior to renovating the North Dock.

2. In my opinion, machine in Room BE-44 could be shut down during the North Dock renovation and the machines in Room BC-45 and the New Building could handle the disposal of Soluble Classified trash during this interim period.

3. In the practical world of disposing of the classified trash, automation has increased trash for disposal. With this in mind, it is recommended that action be taken to upgrade the current inadequate incinerator with a much larger unit to

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accommodate the disposal of trash that cannot be processed through the Somat machines.

4. Also, plans and cost estimates be obtained for the purchase of an additional Somat and extractor machine, which could be installed at the North Side if needed.

STAT

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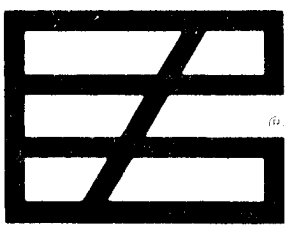
CONSUMAT®

INCINERATION SYSTEMS



Consumat Systems, Inc.

RICHMOND, VIRGINIA

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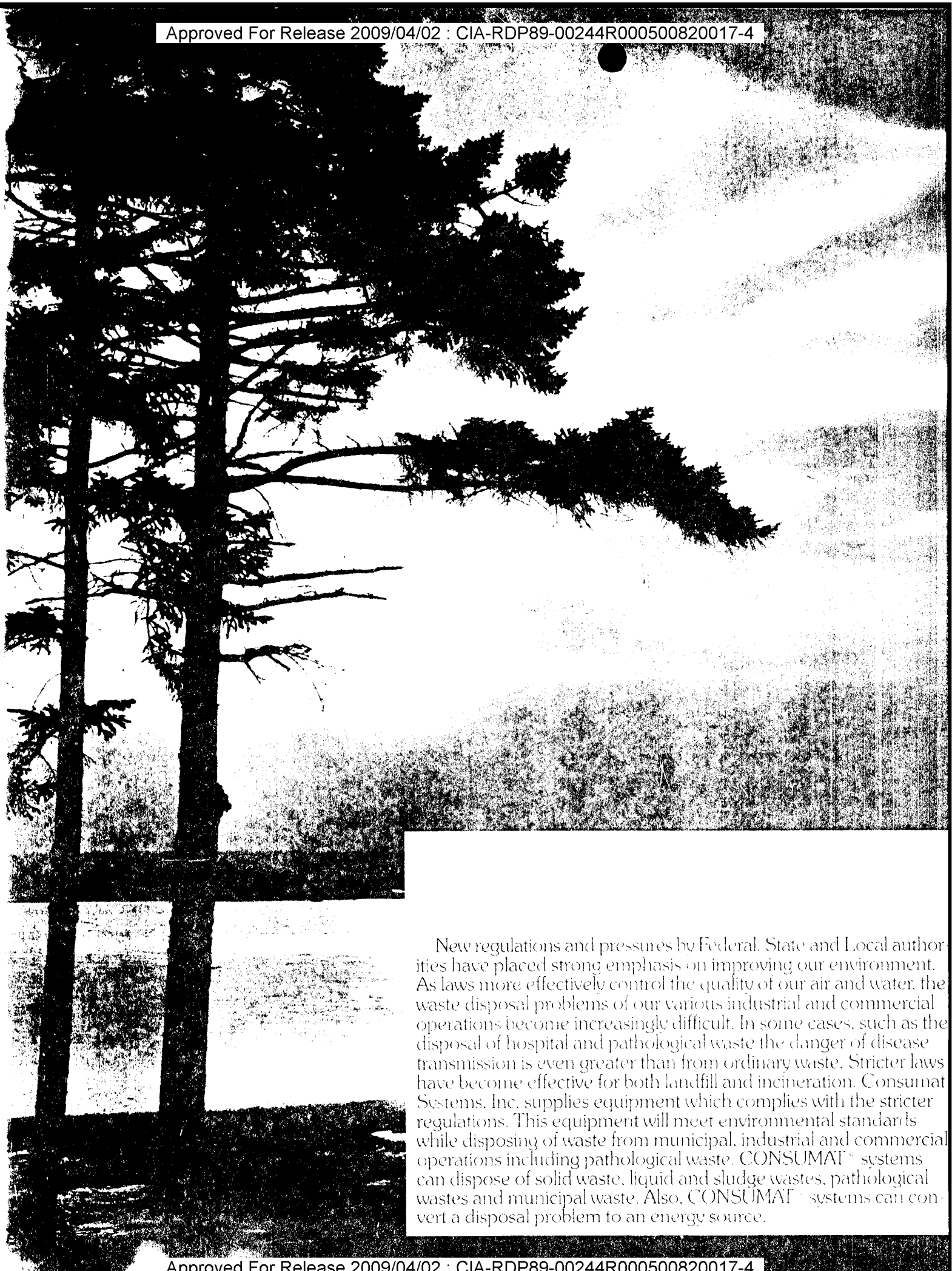

New regulations and pressures by Federal, State and Local authorities have placed strong emphasis on improving our environment. As laws more effectively control the quality of our air and water, the waste disposal problems of our various industrial and commercial operations become increasingly difficult. In some cases, such as the disposal of hospital and pathological waste the danger of disease transmission is even greater than from ordinary waste. Stricter laws have become effective for both landfill and incineration. Consumat Systems, Inc. supplies equipment which complies with the stricter regulations. This equipment will meet environmental standards while disposing of waste from municipal, industrial and commercial operations including pathological waste. CONSUMAT™ systems can dispose of solid waste, liquid and sludge wastes, pathological wastes and municipal waste. Also, CONSUMAT™ systems can convert a disposal problem to an energy source.

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THE EQUIPMENT

NEWEST HIGH TEMPERATURE TECHNOLOGY
Controlled air incineration represents the technology required to meet air pollution codes.

GUARANTEED SMOKELESS AND ODORLESS
CONSUMAT® machines operate with no visible smoke. High Temperature afterburner eliminates all possibility of odor.

FULL SIZE RANGE AVAILABLE
CONSUMAT® standard equipment line includes 9 fully engineered machines to cover all requirements from 50 lbs. per hour through 2,800 lbs. per hour.

PUSH BUTTON CONTROL
Controls require a minimum of instruction. Simply push button to start. System automatically controls pollution, rate of burning and automatically shuts off.

MOST EXPERIENCE
More CONSUMAT® incinerators are now in service than the combined total of all other controlled air incinerator manufacturers.

DUAL PURPOSE
All sizes available for general waste as well as pathological waste.

MODULAR CONSTRUCTION
Modular design and construction allows a wide range of applications with a minimum engineering cost.

FACTORY PACKAGED AND DELIVERED TO YOUR FACILITY

CONTINUOUS SYSTEMS

Consumat Systems manufactures a full range of continuous systems capable of producing energy from municipal and industrial waste. For additional information ask for Bulletin #3-179.

ENERGY SYSTEMS
Energy producing systems available for larger models.

TOTALLY AUTOMATED MATERIALS HANDLING SYSTEMS
Including automatic ash removal

LIQUID WASTE AND SLUDGE ACCESSORY SYSTEMS

ENGINEERING AVAILABLE FOR SPECIAL APPLICATIONS

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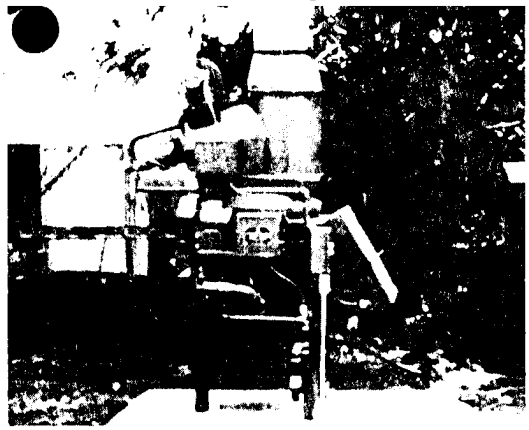

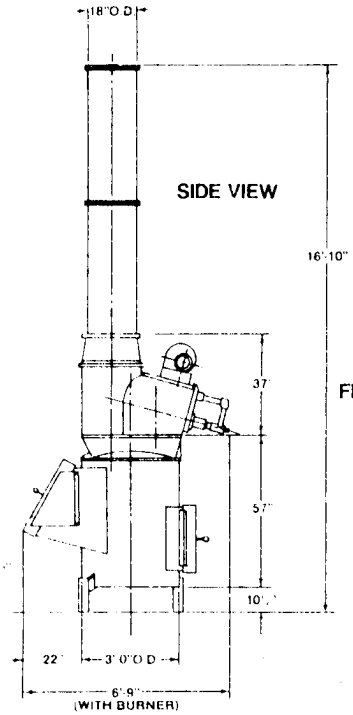

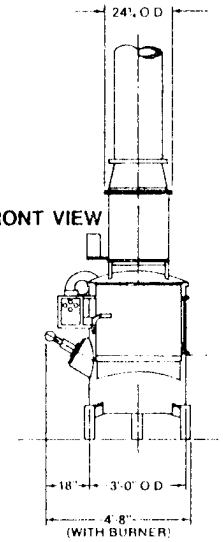

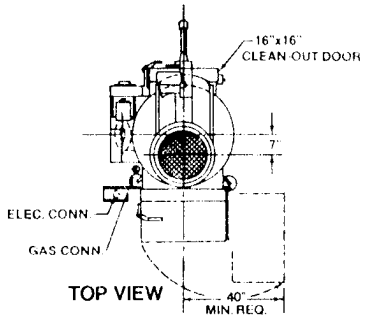

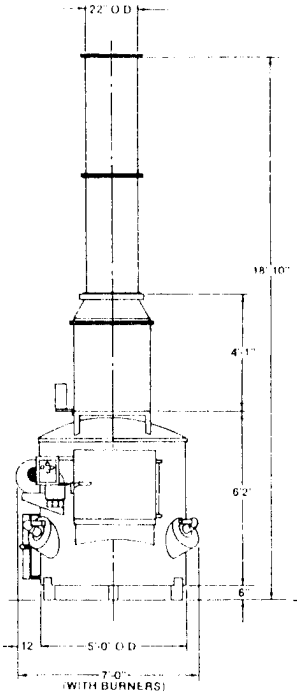

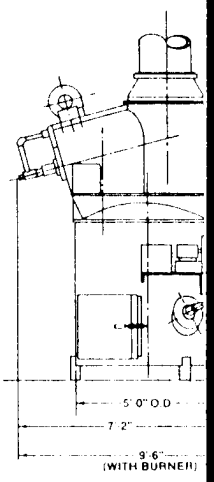

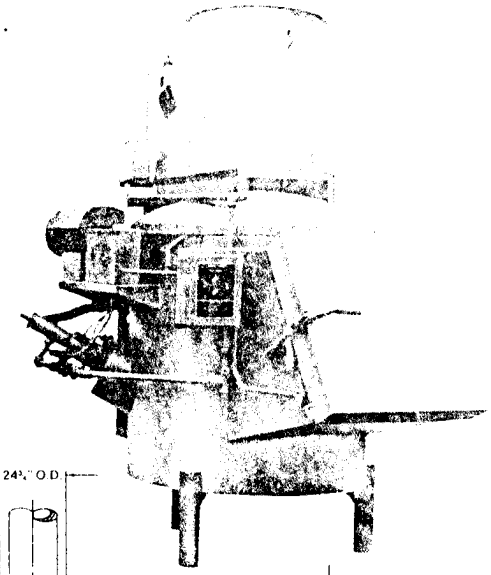

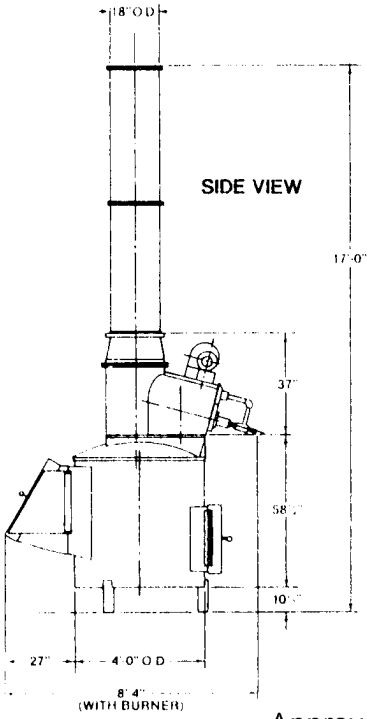

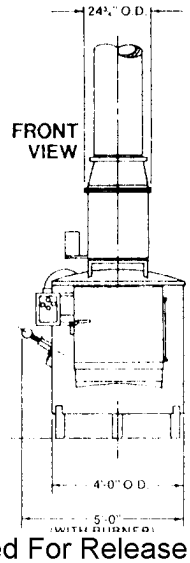

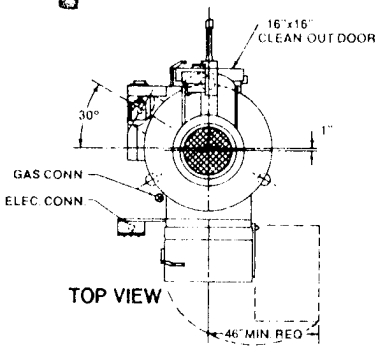

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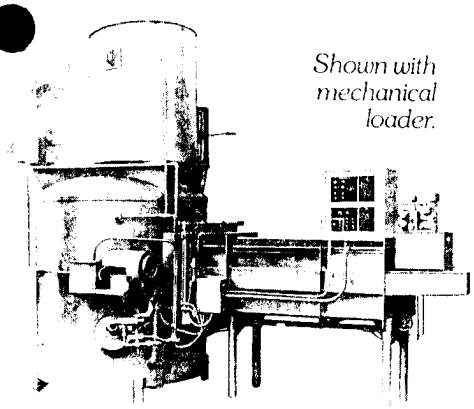

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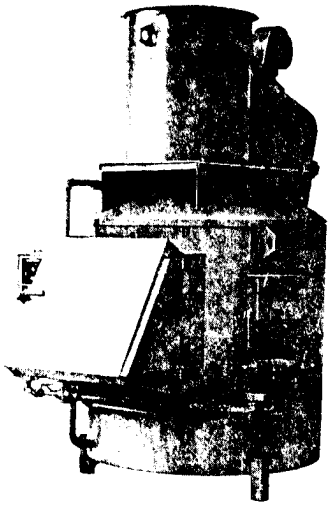

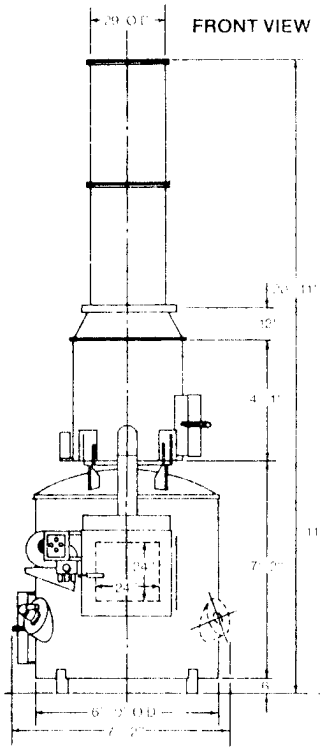

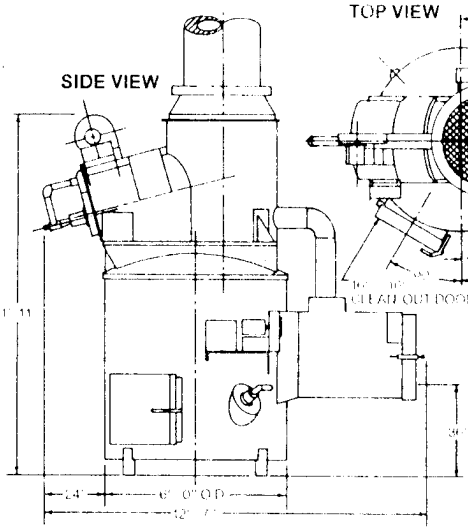

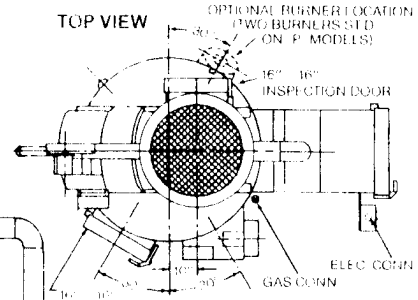

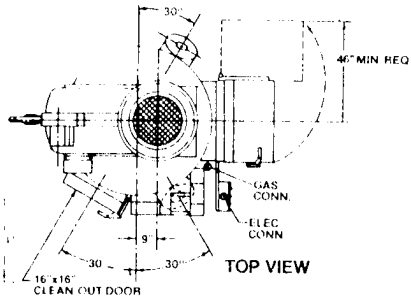

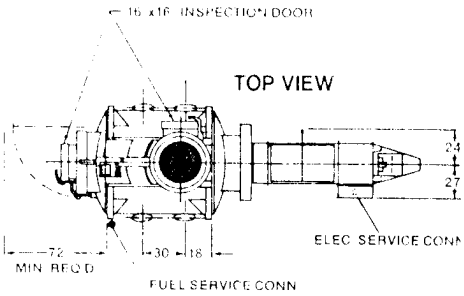

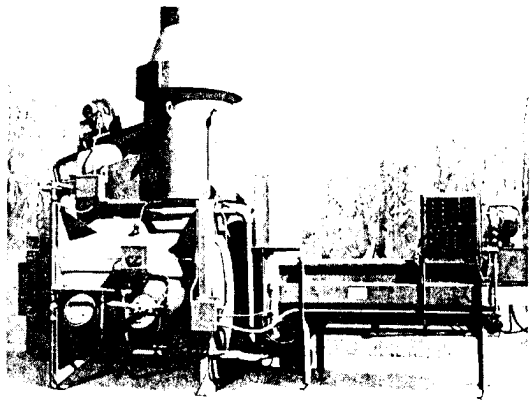

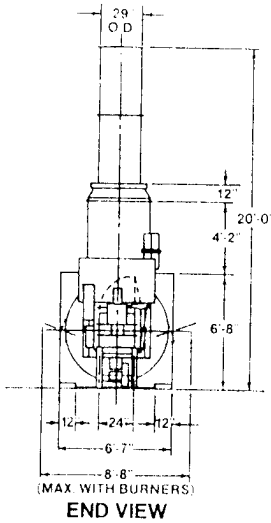

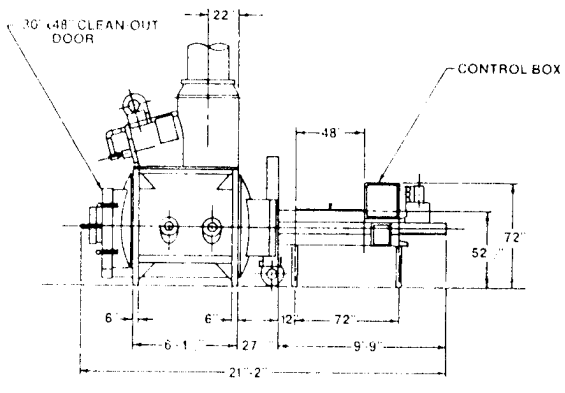

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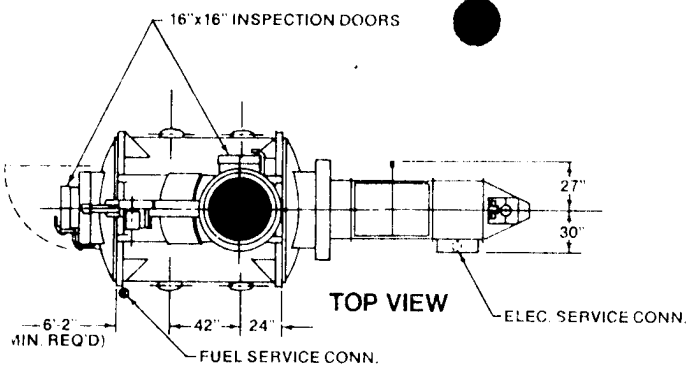

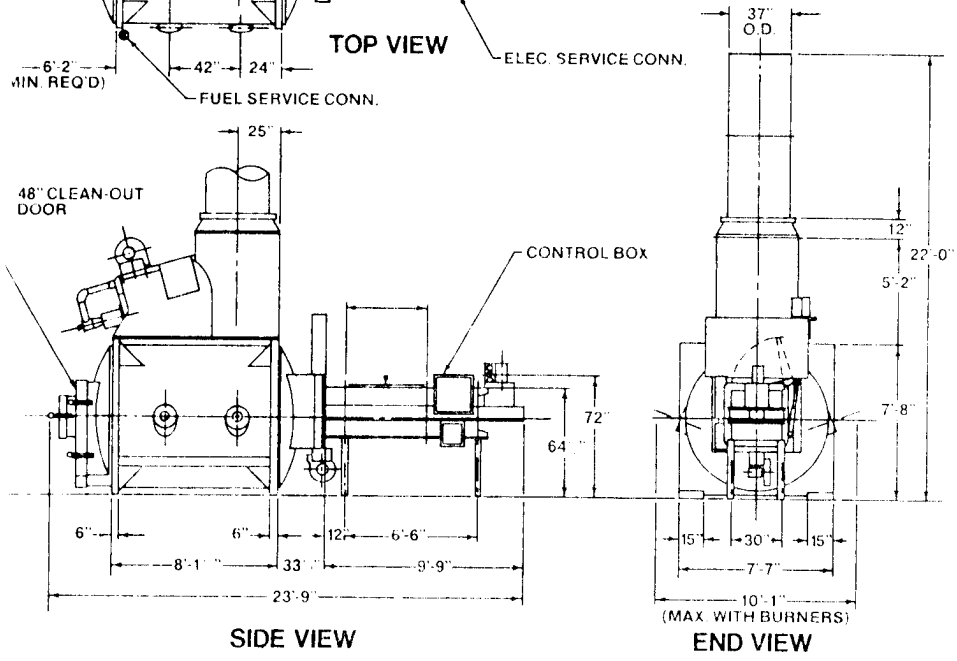

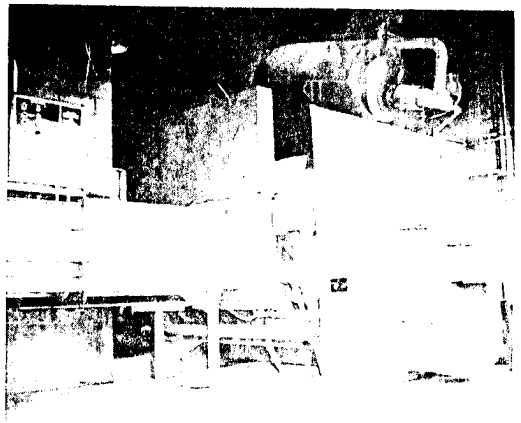

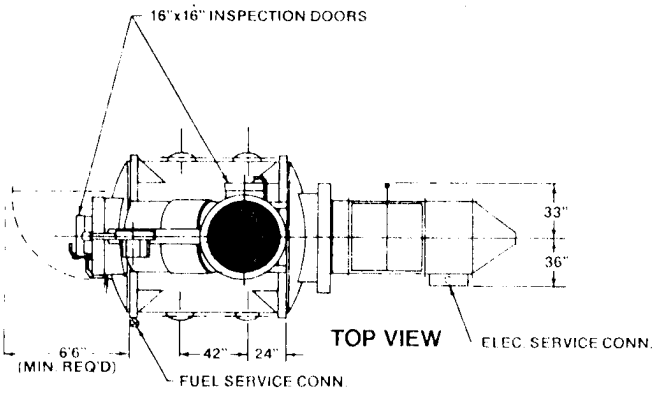

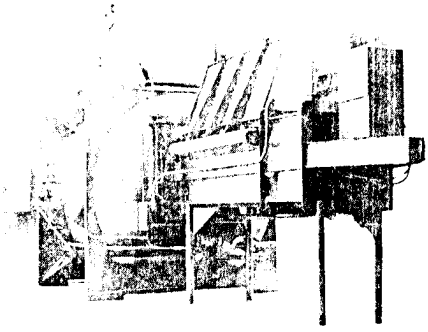

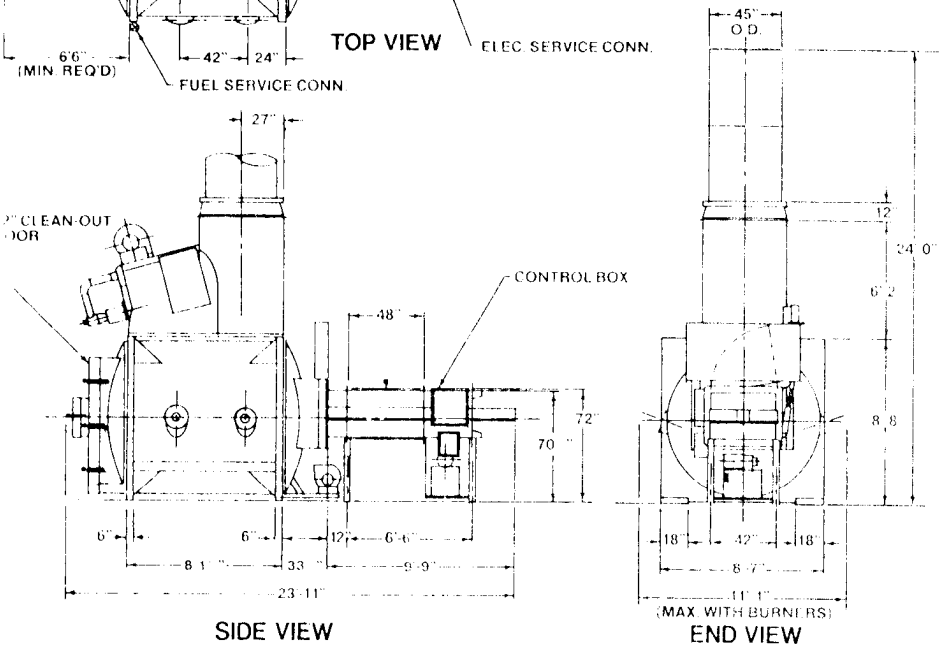

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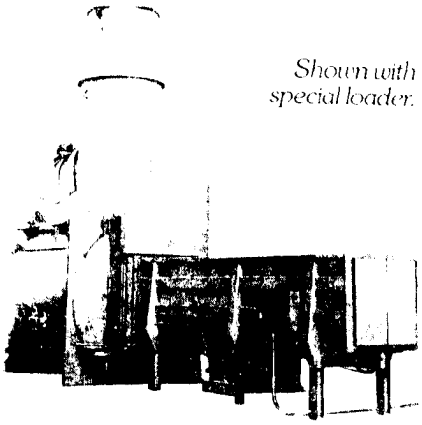

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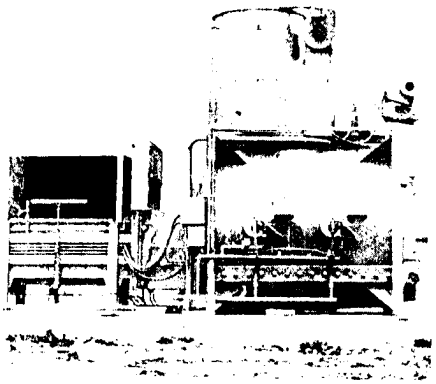
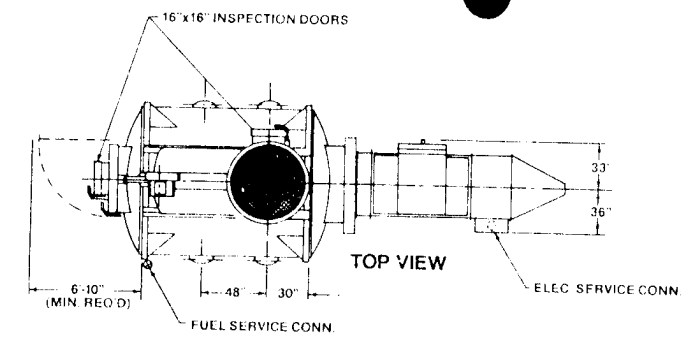
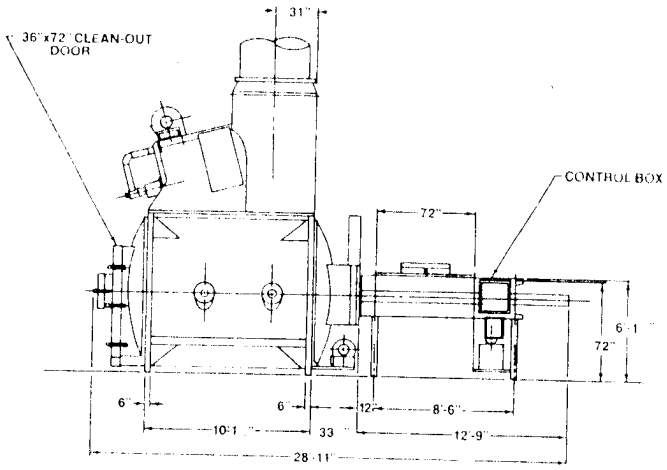
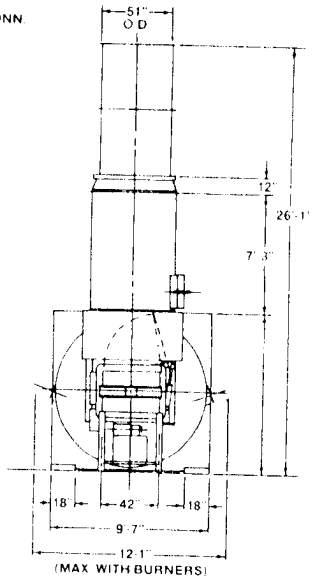




TOP VIEW



SIDE VIEW



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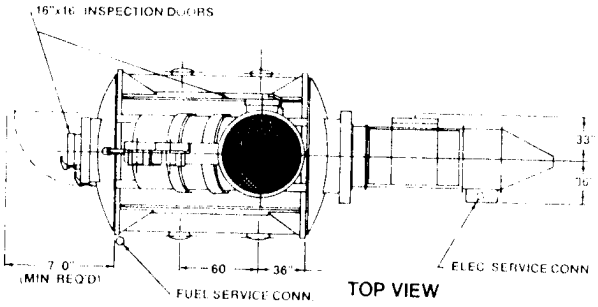

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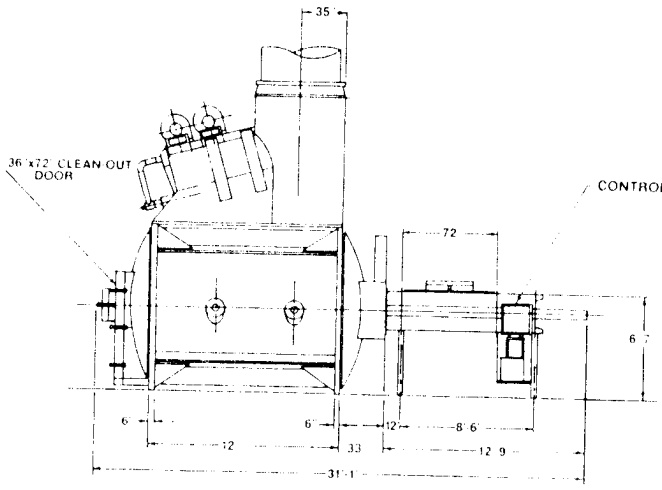

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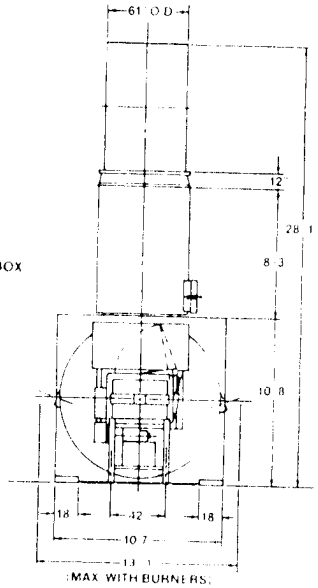

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TYPES OF WASTE

Consumat® Pathological Units are capable of burning all types of waste.

TYPE	DESCRIPTION	Moisture Content	Incombustible Solids	BTU Value/lb	[illegible]
0	**TRASH,** a mixture of highly combustible waste, paper, cardboard cartons, wood boxes, and combustible floor sweepings, from commercial and industrial activities. Contains up to 10% by weight of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oily rags and plastic or rubber scraps.	10%	5%	8500	8-10
1	**RUBBISH,** a mixture of combustible waste, paper, cardboard cartons, wood scrap, foliage and combustible floor sweepings, from domestic, commercial and industrial activities. Contains up to 20% by weight of restaurant or cafeteria waste, but little or no treated papers, plastic or rubber wastes.	25%	10%	6500	8-10
2	**REFUSE,** consisting of an approximately even mixture of rubbish and garbage by weight, common to apartment and residential occupancy.	50%	7%	4300	15-20
3	**GARBAGE,** consisting of animal and vegetable wastes from restaurants, cafeterias, hotels, hospitals, markets, and like installations.	70%	5%	2500	30-35
4	**PATHOLOGICAL HUMAN AND ANIMAL REMAINS,** consisting of carcasses, organs and solid organic wastes from hospitals, laboratories, abbatoirs, animal pounds, etc.	85%	5%	1000	45-55
5	**BY-PRODUCT WASTE GASEOUS, LIQUID OR SEMI-LIQUID,** such as tar, paints, sludge, fumes, etc., from industrial operations.	Varies	Survey Required		
6	**SOLID BY-PRODUCT WASTE,** such as rubber, plastics, wood waste, etc., from industrial operations.	0	0	Varies by Material	Varies

LOADING CHART

Pounds Per Hour, Based on eight hour day.

TYPE WASTE	C-18P	C-32P	C-75P	C-120	C-125	C-225	C-325	C-550	C-760
0*	75	130	250	435	470	850	1250	2065	2200
1*	95	170	320	560	600	1100	1600	2580	2800
2	85	200	360	560	680	1050	1430	1960	2600
3	60	145	290	450	520	815	1110	1520	2100
4** Pathological	50	85	175	290	350	588	825	1080	1400
5	Not Recommended				Survey Required				
6	Survey Required				Survey Required				

*Density of the mixture affects the burning rate of Type 0 and Type 1 waste.
Rating on Model C-125 and larger is based upon use of mechanical feeding device.
**100% pathological waste requires "P" model. C-18P, C-32P & C-75P are dual purpose models, pathological waste requires "P" model in other sizes.

SOLD AND SERVICED BY:

Consumat Systems, Inc.
P.O. BOX 9379 · RICHMOND, VIRGINIA 23227
PHONE: 804/746-4120

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